

# REPORT

ON THE

## Health of the County Borough of Wallasey,

FOR THE YEAR 1917,

BY

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MEDICAL OFFICER OF HEALTH.

MEDICAL SUPERINTENDENT OF THE CORPORATION  
INFECTIOUS DISEASES HOSPITAL, AND  
ADMINISTRATIVE TUBERCULOSIS OFFICER.

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1918.



TO NOVEMBER 9TH, 1917.

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**Chairman:**

COUNCILLOR HAROLD COVENTRY, J.P.

**Vice-Chairman:**

MR. COUNCILLOR J. URMSON.

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ALDERMAN OLDERSHAW, M.D., J.P.

MR. ALDERMAN PARKINSON.

MR. ALDERMAN SCOTT.

**Councillors:**

MR. G. A. BURROWS.

MR. W. H. M. DRAPER.

MR. J. McMILLAN, M.B.

MR. A. QUINN.

MR. A. A. RODEN,

MR. C. F. RYMER.

MR. J. SHAW.

AND

HIS WORSHIP THE MAYOR

. ALDERMAN EDWIN PEACE, J.P.).



## OFFICIALS OF THE PUBLIC HEALTH DEPARTMENT.

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T. W. NAYLOR BARLOW, M.R.C.S. (Eng.), L.R.C.P. (Lond.),  
D.P.H. (Camb.); of Lincoln's Inn, Barrister-at-Law,  
*Medical Officer of Health and Administrative  
Tuberculosis Officer.*

†ROBERT DUNLOP BLACK FREW, M.D., Ch.B., D.P.H.,  
*Tuberculosis Officer.*

\*\*E. GILBERT BARK, M.B. (Lond.),  
*Acting Tuberculosis Officer. to February, 1917 (part time).*

CHARLES WILSON, M.B., C.M.,  
*Acting Tuberculosis Officer since February, 1917 (part time).*

\*HERBERT CLAUDIUS BASCOMBE,  
*Chief Sanitary Inspector.*

CHARLES HORSFALL SCOTT  
*Meat Inspector, and Inspector under the Contagious Diseases  
(Animals) Acts, 1885 and 1886.*

\*ALBERT HENRY ORMESHER,  
\*\*THOMAS NICHOLSON CLEATOR,  
\*\*HIRAM THOMAS IRVING,  
*Assistant Sanitary Inspectors.*

\*JAMES MANSEL DAWKIN,  
*Shop Hours and Workshop Inspector.*

\*MISS ISABELLA BIRRELL,  
\*MISS ALICE BARWISE,  
*Lady Sanitary Inspectors.*

MISS FLORENCE EGAN (C.M.B. Certif.)  
*Child Welfare Nurse.*

\*\*T. R. HODGSON, M.A.,  
*Public Analyst.*

JAMES TUDOR,  
*Weights and Measures and Food and Drugs Inspector.*

JOHN McNALLY,  
*Chief Clerk.*

\*RICHARD C. THOMSON,  
\*\*FRANK ALDRED,  
\*\*NORMAN SQUIRE,  
*Clerks.*

\*\*W. N. BARTON,  
*Junior Clerk.*

\*Holds a Sanitary Inspector's Certificate.

†Dr. Frew was Killed on Active Service in France on August 3rd.  
\*\*On Active Service



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# STATISTICAL SUMMARY FOR 1917.

Area in acres	...	...	...	...	...	...	3,408
Estimated CIVIL Population, June, 1917—							
For calculating Death Rate	...	...	...	...	...	...	84,209
„ Birth Rate	...	...	...	...	...	...	93,869
Number of Inhabited Houses, December 31st	...	...	...	...	...	...	19,186
Rateable Value	...	...	...	...	...	...	£538,631
One Penny in the £ yields for General District Purposes							
	...	...	...	...	...	...	£2,150
Number of Persons per house at time of 1911 Census	...	...	...	...	...	...	4.64
Birth-rate per 1,000 persons living	...	...	...	...	...	...	15.4
Death-rate per 1,000 persons living	...	...	...	...	...	...	12.3
Infant Mortality per 1,000 Births	...	...	...	...	...	...	67
Percentage of Uncertified Deaths	...	...	...	...	...	...	0.19
Total Deaths from Diarrhœa and Enteritis	...	...	...	...	...	...	4
„ „ „ „ (under 1 year)	...	...	...	...	...	...	3
Diarrhœa (including Enteritis) Mortality (under 1 year) per 1,000 Births	...	...	...	...	...	...	2.0
Zymotic Death-rate (excluding Diarrhœa)	...	...	...	...	...	...	0.21
Phthisis Death-rate per 1,000 persons living	...	...	...	...	...	...	1.1
Respiratory Death-rate per 1,000 persons living (excluding Phthisis)	...	...	...	...	...	...	2.4







*Public Health Department,*

*August, 1918.*

*To the Mayor, Aldermen and Councillors of the  
County Borough of Wallasey.*

*Mr. Mayor and Gentlemen,*

*I have the honour to present to you my Tenth Annual Report on the health of the Borough, in compliance with the duty statutorily placed upon me.*

*Owing to paper restrictions the Report consists entirely of statistical matter.*

*The health of the Borough has continued in a very satisfactory condition throughout the year.*

*The incidence of infectious disease was less than in 1916.*

*The gross death-rate, based on the civil population, is practically the same as last year, but the infant mortality rate is much the lowest on record, being only 67 per thousand births—one of the lowest, if not the lowest, of any of the large towns in the country. This is very gratifying, having in view the importance of preserving child life at the present time, and the efforts put forward, not only in Wallasey but throughout the country, to attain this end.*

*Housing work has been practically at a standstill owing, in the first place, to depletion of Staff, and in the second place, to the impossibility of getting extensive repairs done to houses.*

*Beyond again placing on record my appreciation of the work done by the members of my Staff, and also of the support accorded to me by the Health Committee and the Council, I have no further comments to make.*

*I am,*

*Mr. Mayor and Gentlemen,*

*Your obedient Servant,*

*T. W. N. BARLOW,*

*Medical Officer of Health.*

## PART 1.—VITAL STATISTICS.

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### Population.

The *civil* population of the County Borough of Wallasey at the middle of 1917, for the purpose of calculating the Death-rate, is estimated by the Registrar-General at 84,209, and for the purpose of calculating the Birth-rate at 93,869.

The number of NEW HOUSES certified for habitation during the past year was 12.

The number of INHABITED HOUSES in the Borough at the end of 1917 was 19,186.

### Births.

The Births during the year numbered 1,448 (728 males and 720 females), giving a birth-rate of 15.4 per 1,000 of population, calculated on Registrar-General's Estimate of 93,869. Of these 593 were notified by Doctors, and 619 by Midwives, the remainder not being notified.

The Births in the Wards do not include 43 children belonging to the district but registered elsewhere, 20 of which were illegitimate.

The illegitimate births number 72, equal to 4.9 per cent. of the total births.

The following Table shows the distribution of Births and the natural increase of population, that is, the excess in the number of births over deaths in the different Wards:—

Ward No.	Births.		Deaths.		Natural Increase.
1—New Brighton ...	81	...	107	...	— minus 26
2—Upper „ ...	102	...	87	...	15
3—North Liscard ..	136	...	111	...	25
4—South „ ...	116	...	102	...	14
5—North Egremont	119	...	74	...	45
6—South „ ...	153	...	129	...	24
7—North Seacombe	157	...	102	...	55
8—South „ ...	178	...	106	...	72
9—Poulton ...	259	...	123	...	136
10—Wallasey ...	104	...	101	...	3
Registered elsewhere ...	43	...	...	...	43
	1,448		1,042		432 minus 26 = 406

Visits were paid in connection with 1,013 of the Births. The number of re-visits was 3,681.

### Deaths.

The total number of deaths of people belonging to Wallasey, whether these have occurred in the district or not, is 1,042, giving a death-rate of 12.3 calculated on the civil population of 84,209, as estimated by the Registrar-general.

The number of transferred deaths—that is, deaths of Wallasey people who have died outside the district—is 166. Of these, 97 occurred in the Tranmere Union Infirmary, 25 in hospitals in Liverpool and other towns, 20 in Chester and other Asylums, and 24 in various other towns, but not in institutions. The transferred deaths numbered 23 more than in 1916.

72 Inquests were held, 57 of these being on residents and 15 on non-residents.

12 of the total deaths were those of illegitimate children, 10 of them being under 1 year of age; 4 of these died in the Union Infirmary.

The ages and causes of the 10 illegitimate deaths under 1 year of age were:—

- 7 hours—Atelectasis, Lungs.
- 2 days—Inanition.
- 6 days—Congenital Syphilis.
- 8 days—Premature Birth.



- 14 days—Broncho-Pneumonia.
- 2 months—Suffocated in bed.
- 4 months—Broncho-Pneumonia.
- 5 months—Whooping Cough.
- 6 months—Marasmus.
- 8 months—Marasmus.

### Infant Mortality.

During the year 1917 the deaths of 98 children were recorded who had not at the time of their death reached the age of 1 year. This gives an Infantile Mortality Rate of 67 per 1,000 Births, which is much the lowest rate on record for the Borough.

The Table below shows at a glance the number of births and infant deaths and the infant mortality rates per 1,000 births in the Wards during 1917.

#### WARDS.

WARD No.	No. of Births in 1917	No. of Infant Deaths in 1917	Infant Mortality Rates per 1000 Births in 1917
1.....	81	4	49
2.....	102	7	68
3.....	136	6	44
4.. ...	116	4	34
5.....	119	7	58
6.....	153	7	45
7.....	157	14	89
8.....	178	21	118
9.....	259	21	81
10.....	104	7	67
	*43		

\* Plus registered elsewhere.

Inquiries instituted in 1908 as to the causes and circumstances attending the deaths of all children under 1 year have been continued in 1917. 1,013 births were visited. At the time of the first visit 91 per cent. were fed entirely on the breast, 8 per cent. were bottle fed, 1 per cent. on breast and bottle. Of the deaths of children under 1 year (97 in number) 11 were breast-fed, 22 were bottle fed, 13 were fed on breast and bottle, 15 were not fed at all, and particulars were not ascertained with regard to 36 of the deaths.

Of the deaths of children under 1 year, artificially fed, in fifteen instances it was stated that the mothers had been unable to continue breast feeding. In thirteen instances the mothers' milk was supplemented by bottle feeding, in seven instances the child had been bottle-fed from birth, and in fourteen instances the child had not been fed at all.

The following figures show the work that has been done at the

## CHILD WELFARE AND MATERNITY CENTRE.

### INFANTS.

Number of Infants on the books at January 1st, 1917	484
„ new cases dealt with during the year ...	250
„ attendances of infants at the Centre during the year ... ..	2,928
„ visits to the homes of infants ... ..	4,694
„ infants on the books at January 1st, 1918	719

### EXPECTANT MOTHERS.

Number of expectant mothers on the books at January 1st, 1917 ... ..	10
„ new cases dealt with during the year ...	25
„ attendances of expectant mothers at the Centre during the year ... ..	125
„ first visits to the homes of expectant mothers	32
„ re-visits „ „ „	127
„ expectant mothers on the books at January 1st, 1918 ... ..	14

The work of the Centre is still carried on in the temporary premises in Lucerne Road on Wednesday afternoons and Saturday mornings, the new permanent premises not yet being available for use.

By arrangement made with the Hospital authorities two beds are available at the Babies' Annexe of the Leasowe Hospital for Wallasey infants suffering from Rickets, etc.

During the year cases have been referred to other institutions, as under:—

18 to the Victoria Central Hospital (5 in-patients and 13 out-patients).

2 to the Southern Hospital, Liverpool.

11 to the Children's Infirmary, Liverpool.

4 to the St. Paul's Eye and Ear Infirmary, Liverpool.

11 to the Convalescent Homes in Southport and West Kirby.

7 to the Leasowe Baby Annexe.

6 to the Dental Hospital, Liverpool.

#### MOTHERS.

4 to the Shaw Street Hospital, Liverpool.

2 to the Dental Hospital, Liverpool.

4 to the Mill Lane Hospital, Wallasey.

3 to the Victoria Central Hospital, Wallasey.

Year.	No. of Deaths of Infants under one year.	Per cent. of Total Deaths.	Rate of Infant Mortality per 1,000 Births.	Deaths of Children under 5 Years.
1917	98	9·3	67	166

The Deaths of Children under 1 year in the four quarters were as follows:—

First Quarter	...	32	Third Quarter	...	27
Second Quarter	...	15	Fourth Quarter	...	24

TABLE SHOWING COMPARISON OF WALLASEY RATES WITH THOSE FOR ENGLAND AND WALES AS A WHOLE, AND WITH THE 96 LARGE TOWNS (AMONG WHICH WALLASEY IS INCLUDED), WITH THE 146 SMALLER TOWNS.

	Annual Death rate per 1,000 living.	Deaths under one year per 1,000 Births.
ENGLAND AND WALES ... ..	14·4	97
96 GREAT TOWNS INCLUDING LONDON	14·6	104
146 SMALLER TOWNS ... ..	13·2	93
<b>WALLASEY</b> ... ..	12·3	67



## Deaths from Zymotic Diseases

DISEASE	1917
TOTAL ... ..	<b>22</b>
Smallpox ... ..	—
Measles ... ..	10
Scarlet Fever ... ..	—
Diphtheria and Croup ... ..	1
Whooping Cough ... ..	6
Fever (Typhoid) ... ..	1
Diarrhoea and Enteritis ... ..	4

## Infectious Diseases.

The following Table shows the number of Notifications of Infectious Disease, Tuberculosis, etc., in 1917:—

DISEASE	1917
Smallpox ... ..	—
Diphtheria ... ..	46
Membranous Croup ... ..	—
Erysipelas ... ..	20
Scarlet Fever ... ..	189
Typhus ... ..	—
Typhoid ... ..	2*
Puerperal Fever ... ..	1
Phthisis ... ..	192
Non-Pulmonary Tuberculosis ... ..	25
Cerebro-Spinal Meningitis ... ..	1
Acute Polio-Myelitis ... ..	—
Ophthalmia Neonatorum ... ..	12
Measles ... ..	751
German Measles ... ..	164
TOTAL ... ..	<b>1403</b>

\* These were the only actual Wallasey cases. Four other cases landed from one of H.M. Auxiliary Cruisers, and a Nurse from a Military Hospital in a neighbouring Borough were, however, treated in our Isolation Hospital.

## Scarlet Fever.

The number of notifications of Scarlet Fever in 1917 was 189. This number is much below the average incidence, although in excess of 1916, when the number was 119. None



of the cases were fatal. It is a remarkable fact that there have been no deaths from Scarlet Fever in the Borough in the past two years.

### **“ Return ” Cases.**

One case came into hospital two days after discharge of first patient, who had been in hospital 46 days. There were no complications while in hospital or after discharge.

### **Typhoid.**

The number of Wallasey cases of Typhoid notified during the year was only 2, compared with 14 in 1916, which number was then the lowest ever recorded in the Borough. The diminution in the number of cases of Typhoid in Wallasey is one of the most noticeable features in the records of this district.

There were 5 other cases of the disease treated in our hospital, 4 being sailors landed at the Docks adjoining the Borough from one of H.M. Auxiliary Cruisers, and one being a nurse from a military hospital outside the Borough.

There was only 1 death during the year, which is equal to a rate of 0.01 per 1,000 of population.

### **Cerebro-Spinal Meningitis.**

One case of Cerebro-Spinal Meningitis occurred during the year; the notification, however, was not received until six weeks after onset. An examination of the fluid was made, when the presence of the diplococcus was observed. Earlier attempts to isolate the organism failed.

The case proved fatal in the early part of the present year (1918).

### Small-pox.

There was no case of Small-pox notified during the year, but 5 contacts were kept under observation for the usual period.

### Plague.

No contacts with Plague were reported during the year.

### Measles.

Measles was epidemic during the year, the number of notified cases being 915 (751 Measles and 164 German Measles).

Particulars with regard to suspected cases of Measles reported by the Education Authority will be found on page —

The number of deaths was 10, equal to a rate of 0.1 per 1,000 living.

1,073 visits were paid to Measles cases during the year.

In 17 cases the home conditions were so unsatisfactory that the children were removed to the Infectious Diseases Hospital. All of these recovered.

It was found necessary to close four schools, two in November and two in December, owing to the prevalence of this disease.

The following Table gives particulars as to the notifications:—

NOTIFIED BY	Measles		German Measles		TOTAL	
					Measles and German Measles	
	Civil	Military	Civil	Military	Civil	Military
Medical Practitioners ... ..	712	4	162	1	874	5
Parents, Guardians, or other authorities	35	0	1	0	36	0
TOTAL ... ..	747	4	163	1	910	5

### Whooping-Cough.

The number of deaths was 6, giving a death-rate of 0.07 per 1,000 living, compared with 8 deaths and a death-rate of 0.09 in 1916.

The number of visits to cases of Whooping Cough in 1917 was 190.

### Diphtheria.

In 1917 the number of cases of Diphtheria notified was 46 (of which number 1 died), compared with 68 notifications in 1916. The percentage of deaths to cases was 2.0. Two of the cases were "imported" cases.

No "return" cases occurred during the year.

The distribution of the cases in the Wards was as follows:—

No. 1 Ward ... 12 cases.	No. 6 Ward ... 2 cases.
,, 2 ,, ... 2 ,,	,, 7 ,, ... 1 ,,
,, 3 ,, ... 4 ,,	,, 8 ,, ... 6 ,,
,, 4 ,, ... 5 ,,	,, 9 ,, ... 4 ,,
,, 5 ,, ... 5 ,,	,, 10 ,, ... 5 ,,

24 cases were admitted to hospital, none of whom died. Of the cases admitted as suffering from Diphtheria one was found not to be so suffering.

In 3 instances two cases of Diphtheria occurred in the same house, the onset of the second case occurring within one day, two days, and eight days respectively, of that of the first case.

During the year 19 applications from medical men for anti-toxin have been received, and 110,000 units were so given.



The following Tables show the number of cases of  
**SUSPECTED INFECTIOUS DISEASE REPORTED BY**  
**THE SCHOOL AUTHORITIES:—**

TABLE I.

Cases of Suspected Infectious Disease notified by Elementary Education Authority (per reports of Head Teachers or Attendance Officers) to the Medical Officer of Health, 1917.

School.	Measles.	Chicken-pox.	Whooping-Cough.	Other Diseases.	Totals.	Totals under "Other Diseases."								
						Mumps.	Scarlet.	Diphtheria	Sore Throat.	Rash.	German Measles.	Itch.	Phthisis.	Glands.
St. Paul's .....	19	11	14	8	52	3	3	...	...	...	1	1	...	...
St. Joseph's .....	12	1	2	10	25	4	...	...	2	2	...	...	2	...
Riverside .....	24	15	24	17	80	7	...	...	4	...	1	1	1	3
Somerville.. .....	101	37	25	28	191	11	1	...	3	3	4	1	5	...
Poulton .....	26	25	2	33	86	3	4	3	11	2	1	1	7	1
Church Street .....	59	33	51	44	187	29	1	...	1	12	1	...	...	...
St. Mary's.....	80	16	8	13	117	9	...	...	...	...	...	...	4	...
St. Alban's .....	26	6	1	6	39	1	...	...	...	4	1	...	...	...
Manor Road.....	79	19	29	63	190	43	10	...	2	4	...	1	2	1
Magazine Lane ...	36	27	1	28	92	23	...	...	2	...	1	...	1	1
Egerton Street.....	9	19	9	14	51	9	...	...	2	...	1	...	...	2
S.S. Peter & Paul	4	10	1	...	15	...	...	...	...	...	...	...	...	...
Vaughan Road.....	13	12	16	125	166	117	2	...	2	...	2	1	...	1
Wallasey .....	59	6	7	103	175	82	...	..	4	...	1	4	2	10
Totals ...	547	237	190	492	1466	341	21	3	33	27	14	10	24	19
DISTRICT TOTALS:														
Poulton-cum-Seacombe...	182	89	67	96	434	28	8	3	20	7	7	4	15	4
Liscard .....	280	101	90	154	625	105	11	...	5	20	3	1	7	2
New Brighton .....	26	41	26	139	232	126	2	...	4	...	3	1	...	3
Wallasey .....	59	6	7	103	175	82	...	...	4	...	1	4	2	10
	547	237	190	492	1466	341	21	3	33	27	14	10	24	19

TABLE II.  
CASES VISITED.

	Total number visited.	Number found not suffering as reported.
Mumps .....	169	29
Measles .....	547	10
Chicken-Pox.....	237	14
Whooping-Cough .....	190	23
Other Diseases.....	151	31
TOTAL.....	1,294	107

Of the 237 Chicken-pox Cases visited, 2 were not vaccinated; 182 were well vaccinated, 4 marks; 33 had 3 marks; and 20 had 1 mark.

TABLE III.

SHOWS THE NUMBER OF *SUSPECTED* CASES OF INFECTIOUS  
DISEASE REPORTED MONTH BY MONTH IN 1917.

	Measles.	Chicken-pox.	Whooping-Cough.	Other Diseases	Total.	Totals under "Other Diseases."								
						Mumps.	'carlet.	Diphtheria.	Sore Throat.	Rash.	German Measles	Itch.	Phthisis.	Glands.
January.....	22	46	5	50	123	40	...	...	4	1	2	...	1	2
February .....	55	27	2	103	187	78	...	...	3	3	2	1	4	12
March.....	37	23	3	145	208	140	...	...	2	1	...	...	1	1
April .....	22	10	2	35	69	31	...	...	1	...	2	...	1	...
May .....	14	35	32	44	125	25	...	...	1	12	...	2	2	2
June .....	65	28	26	19	138	4	...	...	...	3	5	6	1	...
July.....	5	5	15	1	26	...	1	...	...	...	...	...	...	...
August .....	10	4	42	13	69	4	3	...	1	4	...	...	1	...
September.....	13	3	5	15	33	1	6	2	...	...	2	1	3	...
October .....	110	21	8	25	164	1	3	1	6	2	1	...	7	1
November .....	100	20	20	20	160	3	3	...	5	1	...	...	3	...
December .....	94	15	30	22	161	6	5	..	10	...	...	...	...	1
	547	237	190	492	1466	341	21	3	33	27	14	10	24	19

SCHOOL NOTIFICATIONS IN 1917 (WARDS).

Ward.	Measles.	Chicken-pox.	Whooping-Cough.	Other Diseases.	Total.	Totals under "Other Diseases "								
						Mumps.	Scarlet.	Diphtheria	Sore Throat.	Rash.	German Measles.	Itch.	Phthisis.	Glands.
1 .....	31	33	21	65	150	57	...	...	5	...	1	...	...	2
2 .....	40	35	4	94	173	88	...	...	3	...	...	1	2	...
3 .....	69	12	17	43	141	33	2	...	3	1	...	...	4	...
4 .....	81	19	20	44	164	29	3	2	3	2	2	1	1	1
5 .....	61	15	14	35	125	25	3	...	...	6	...	...	...	1
6 .....	40	16	38	33	127	19	5	...	3	3	1	...	1	1
7 .....	47	24	24	18	113	4	...	...	3	4	1	1	3	2
8 .....	57	24	21	19	121	5	3	...	3	3	1	1	2	1
9 .....	91	44	21	40	196	6	2	1	5	8	6	2	9	1
10 .....	30	15	10	101	156	75	3	...	5	...	2	4	2	10
	547	237	190	492	1466	341	21	3	33	27	14	10	24	19

### **Phthisis.**

The deaths from Phthisis during the year numbered 96, equal to a death rate of 1.1 per 1,000 of the gross population, compared with 82 deaths, and a rate of 0.98 in 1916. 13 of the deaths occurred in the Union Infirmary. Several of these were of people who had been in the Institution for a large number of years. 6 occurred amongst the patients in Chester and other Asylums who had been admitted there from Wallasey, and 4 were deaths transferred from other towns.

It may be mentioned that of the above deaths 10 occurred amongst people who had been resident in Wallasey 12 months or less, and 3 additional deaths amongst those who had been resident in the district less than two years. Moreover, of the 192 notifications received during the year no fewer than 23 (or more than 11 per cent.) referred to persons who had come to reside in the Borough within the previous twelve months.

The number of primary notifications was 192, compared with 181 the previous year.

64 notifications were received from private practitioners.

33 from military doctors.

1 from military hospitals.

8 from the Union Infirmary.

2 from Poor Law doctors.

75 from other hospitals and institutions (including 18 from institutions outside the Borough).

9 from the Schools Medical Officer.

In 12 instances during the year the appearance in the weekly death returns of a death from Phthisis was the first intimation received by me that the person named had suffered from Phthisis.

The number of visits and re-visits paid to the cases coming during my knowledge during the year was 1,894.



150 contacts who were seen on the occasion of those visits were sent to the Tuberculous Officer for examination.

The number of Phthisis cases admitted to Mill Lane Sanatorium during the year was 102, as will be seen by a reference to the Table on page 28.

27 of those cases were admitted to the Advanced Block, and 75 to the Block for early cases.

SUMMARY OF NOTIFICATIONS OF PULMONARY TUBERCULOSIS  
DURING THE YEAR 1917 AT AGE PERIODS.

Notifications on Form A.													
Number of Primary Notifications. (192).													
Age Periods	Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	Over 65.	Total Pri- mary Notifi- cations.	Total Notifi- cations on Form A. (including duplicates
Males .....	...	2	2	8	7	7	47	31	7	4	1	116	154
Females .....	...	2	2	4	8	4	11	18	5	5	3	62	69
Totals.....	...	4	4	12	15	11	58	49	12	9	4	178	223

Notifications on Form B.						Number of Primary Notifications on Form C. (5) (and 7 duplicates)	
Number of Primary Notifications (9) (and 2 duplicates).						Poor Law Institu- tions.	Sana- toria.
Age Periods...	Under 5 years.	5 to 10	10 to 15.	Total Pri- mary Notifi- cations.	Total Notifi- cations on Form B.		
Males .....	...	5	...	5	6	1	3
Females .....	...	4	...	4	5	3	5
Totals.....	...	9	...	9	11	4	8



TABLE SHOWING THE DISTRIBUTION OF NOTIFICATIONS OF AND DEATHS FROM PHTHISIS AND OTHER TUBERCULOUS DISEASES IN THE WARDS DURING 1917.

Ward No.	Phthisis Notifications.	Phthisis Deaths.	Non-Pulmonary Notifications	Deaths from other Tuberculous Diseases.
1	14	8	...	...
2	7	5	1	1
3	17	6	6	1
4	13	9	2	2
5	10	5	1	2
6	25	21	...	1
7	24	12	4	2
8	25	11	2	1
9	35	10	6	5
10	22	9	3	4
Totals ... ..	192	96	25	19

TREATMENT OF PHTHISIS IN MILL LANE SANATORIUM  
DURING 1917.

Number of cases remaining on January 1st, 1917 ... ..	19
Number of cases admitted during 1917: Males ...	55
Females ...	47
	— 102
	<u>          </u>

ADMISSIONS.

Insured Persons ... ..	47
Dependants ... ..	43
Corporation Employés ... ..	4
Non-insured Persons ... ..	5
Private Patients ... ..	3
	—
Total ...	102
	<u>          </u>

Number of cases discharged during 1917 ... ..	86
„ „ fatal in Sanatorium ... ..	7
„ „ remaining on January 1st, 1918 ... ..	28

The following Table shows the result of the treatment of the cases :—

Improved	...	...	...	...	...	...	...	26
Without improvement	...	...	...	...	...	...	...	4
Worse	...	...	...	...	...	...	...	2
Remaining	...	...	...	...	...	...	...	28
Re-admitted	...	...	...	...	...	...	...	19
Fatal in Sanatorium	...	...	...	...	...	...	...	7
Fatal elsewhere	...	...	...	...	...	...	...	16
								—
								102
								<u>102</u>

#### TUBERCULOSIS DISPENSARY REPORT FOR 1917.

Clinics are held on Monday, Tuesday, Thursday, Friday and Saturday mornings, and on the evening of Wednesday in each week.

Number of Patients attending Clinics :—

Insured Persons	...	...	...	...	...	...	210
Dependants	...	...	...	...	...	...	320
Non-insured Persons	...	...	...	...	...	...	48
Corporation Employés	...	...	...	...	...	...	6
Others	...	...	...	...	...	...	12
							—
							586
							<u>586</u>

Number of attendances of Patients at Clinics :—

Insured Persons	...	...	...	...	...	...	1068
Dependants	...	...	...	...	...	...	800
Non-insured Persons	...	...	...	...	...	...	134
Corporation Employés	...	...	...	...	...	...	10
Others	...	...	...	...	...	...	21
							—
							2,033
							<u>2,033</u>

Number of Patients receiving tuberculin treatment  
at Dispensary ... .. —

Number of Patients on Dispensary books, December  
31st, 1917 ... .. 838

Number of domiciliary visits to Patients ... .. —

## Non-Pulmonary Tuberculosis.

25 notifications of non-pulmonary Tuberculosis have been received during the year, as compared with 48 in 1916.

### SUMMARY OF NOTIFICATIONS OF NON-PULMONARY TUBERCULOSIS DURING THE YEAR 1917.

Non-Pulmonary	Notifications on Form A												
	Number of Primary Notifications.												
Age Periods	Under 1 year	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	Over 65	Total Primary Notifications	Total Notifications on Form A. (including duplicates)
Males .....	2	2	2	1	1	...	1	...	...	...	...	9	9
Females .....	1	1	2	6	1	1	...	1	...	...	...	12	12
Totals.....	3	3	4	7	2	1	1	1	...	...	...	21	21

Notifications on Form B						Number of Primary Notifications on Form C. (including Duplicates)	
Number of Primary Notifications							
Age Periods	Under 5 years	5 to 10	10 to 15	Total Primary Notifications	Total Notifications on Form B. (including duplicates)	Poor Law Institutions	Sanatoria
Males .....	...	5	...	5	6	...	1
Females.....	...	4	...	4	5	...	...
Totals.....	...	9	...	9	11	...	1

The following Table classifies the notifications and shows the parts of the body affected with non-pulmonary tuberculosis :—

PARTS AFFECTED.	No. OF NOTIFICATIONS.
Abdomen and Peritoneum ... ..	2
Glandular—Cervical ... ..	15
Other parts ... ..	—
Joints—Hip ... ..	1
Osseous ... ..	2
Meninges of Brain ... ..	4
Skin (Lupus) ... ..	1
	—
	25
	==

The beds available at the end of 1917 outside the Borough for the treatment of non-pulmonary cases were:—

4 at Leasowe Sanatorium for Crippled Children.

2 at Liverpool County Hospital for Children, Heswall.

1 at Convalescent Hospital for Children, West Kirby.

### Deaths from Phthisis in Wallasey in 1917

(including those occurring elsewhere and transferred to Wallasey).

YEAR.	M	F	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 & over.
			M F	M F	M F	M F	M F	M F
1917...	55	41	—	2   —	—   —	7   4	48   34	—   1

### Deaths from “Other Tuberculous Diseases” in Wallasey in 1917

(Including those occurring elsewhere and transferred to Wallasey).

YEAR.	M F	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 & over.
	~ ~						
1917...	8   11	2	7	4	3	3	—



### **Ophthalmia Neonatorum.**

12 notifications of Ophthalmia Neonatorum have been received during the year, namely, 10 from medical practitioners and 2 from midwives. One case was notified by both doctor and midwife. All the cases recovered.

The number of visits by the Lady Inspectors was 117. Practically all these were for douching purposes.

### **Venereal Diseases.**

Arrangements were made during the year for the establishment of a Venereal Diseases Clinic at the Victoria Central Hospital, and this Clinic was opened on July 1st. Consultations are held at the Treatment Centre every Wednesday afternoon from 3-30 to 4-30, and every Saturday evening from 7-0 to 8-0 for Males and every Friday afternoon from 3-30 to 4-30 for Females.

The following figures show the work carried out in connection therewith for the six months ended December 31st:—

1st—In-patients. — males, 1 female. Days spent in hospital, 8.

2nd—Out-patients. New cases. 20 males, 8 females.  
Total attendances, 175.

3rd—Number of specimens sent for examination, 37;  
i.e., 17 positive, 20 negative.

Patients remaining on the books on 31st December, 1917:—Out-patients, 15; In-patients, —.

While admitting that the results of six months—the first six months—cannot be considered as sufficient to draw conclusions, several points are becoming obvious, the principal of these being (1) the small number of cases presenting themselves for treatment, and (2) of those attending only a small number continue their attendance until cured. It is becoming apparent that compulsory continuance of treatment in some form or other will be necessary unless a good deal of this work is to be wasted effort.

### Mill Lane Hospital.

The following Table shows the number of cases of infectious and other diseases treated in MILL LANE HOSPITAL in 1917:—

Disease.	Remaining at end of 1916.	Admitted during 1917.	Discharged during 1917.	Died during 1917.	Remaining at end of 1917.	Average Residence in Days.
SMALL-POX (Leasowe Rd. Hosp.)	...	...	...	...	...	...
SCARLET FEVER ... ..	8	111	101	...	18	41.1
Cases admitted to Hospital as, but subsequently found not to be, Scarlet Fever or doubtful ... ..	...	...	...	...	...	...
DIPHTHERIA ... ..	3	24	26	...	1	20.0
Cases admitted to Hospital as, but subsequently found not to be, Diphtheria or doubtful ... ..	...	1	...	...	1	14.0
ENTERIC FEVER ... ..	...	6	5	*1	4	49.0
Cases admitted to Hospital as, but subsequently found not to be, Enteric Fever or doubtful ... ..	...	...	...	...	...	...
ERYSIPELAS ... ..	...	1	1	...	...	6.0
PHTHISIS ... ..	19	102	86	7	28	94.6
ACUTE POLIO-MYELITIS ... ..	...	...	...	...	...	...
CEREBRO-SPINAL MENINGITIS ... ..	...	...	...	...	...	...
MEASLES ... ..	...	17	17	...	...	14.3
OTHER ADMISSIONS ... ..	...	6	6	...	...	29.0
TOTALS ... ..	30	268	242	8	48	...

\* This was a non-resident.

The following is the accommodation available:—

SCARLET FEVER ...	60	beds	in two separate blocks, one of which for a considerable portion of the year was unoccupied.
DIPHTHERIA ... ..	7	„	
TYPHOID ... ..	7	„	
PHTHISIS ... ..	40	„	

—  
Total ... 114 „  
=

### Small-Pox Hospital.

The accommodation provided at the Small-Pox Hospital is 20 beds.

### Midwives Act.

#### SUMMARY OF THE WORK DONE UNDER THE MIDWIVES ACT, DURING 1917.

Routine Visits paid to Midwives' houses, Inspection of Bags, Case books, etc. ... ..	126
Enquiries <i>re</i> Still-born Children ... ..	12
Other Enquiries ... ..	40
	—
Total Visits paid under the Midwives Act ... ..	178
	==

Under the Rules of the Central Midwives' Board (E. 18) the following notifications have been received:—

Records of sending for medical help ( <i>see Table below</i> )	92
Notifications of Still-births ... ..	12
„ „ Laying out Dead ... ..	1
Deaths of Children before attendance of a Medical Practitioner ... ..	—
Cases of Puerperal Fever attended by Midwives ...	1
Cases of other Infectious Disease notified by Midwife	—
Cases of Ophthalmia notified by Midwives ... ..	2

The following is a list of the causes for which Medical help was sought in the 92 cases mentioned above:—

Feebleness of Infant ... ..	4
Protracted Labour ... ..	21
Retained Placenta ... ..	2
Instrumental Aid ... ..	3
Prematurity ... ..	4
Post-partum Hæmorrhage ... ..	1
Ante-partum Hæmorrhage ... ..	3
Laceration of Perineum ... ..	12
Placenta Prævia ... ..	1
Inflamed Eyelids ... ..	8
Abnormal Presentation ... ..	11
Various ... ..	10
Rise of Temperature ... ..	3
Abortions ... ..	9
	—
	92
	==



Under Section 8, I have to keep the Central Midwives' Board acquainted with the death, change of name or address of any Midwife.

The undermentioned changes have been notified in 1917:

Change of name	...	...	...	...	...	—
Change of address	...	...	...	...	...	1
Death of Midwife	...	...	...	...	...	—
Notice of intention to cease practice...						—
Removed from District	...	...	...	...		—

There are 43 Midwives on the Roll, 39 of whom are trained, and 4 untrained. None are illiterate. Their registers are on the whole kept well.

The total number of cases attended by Midwives was 598.

In 4 instances I interviewed and warned Midwives for slight irregularities which did not appear to me to be gross enough to warrant reporting them to the Local Supervising Authority; but it is open to question whether even this slight disciplinary work was not *ultra vires*.

The offences were:—

Non-notification of Ophthalmia	...	...	—
„ „ Rise of Temperature			—
Failure to keep Register entered up	...		—
„ see Book and Utensils	...		1
„ call in Medical Aid	...	...	3

No death of a Midwife on the Roll has occurred during the year.

## PART 2.—GENERAL SANITARY WORK.

---

### Insanitary Property and Housing.

As was the case last year, very little housing work has been done during 1917 owing to shortage of staff and the difficulties of landlords obtaining labour to do the necessary work.

No houses were represented as unfit, but Closing Orders were made in respect of 19-21, Wallasey Village, represented in 1916. Urgent repairs only were insisted upon, however, other matters being left over until a more opportune time.

STATEMENT REQUIRED BY ARTICLE V. OF THE HOUSING  
(INSPECTION) REGULATIONS, 1910, IN REGARD TO THE  
INSPECTION OF DWELLING-HOUSES UNDER SECTION 17 (1)  
OF THE HOUSING, TOWN PLANNING, &c., ACT, 1909, FOR  
THE YEAR ENDED 31ST DECEMBER, 1917.

No. of dwelling-houses inspected during the year and for the purposes of the Sub-Section ... ..	1,615
--	-------

No. of such dwelling-houses which were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	—
---	---

No. of dwelling-houses in respect of which representa- tions were made to the Local Authority with a view to the making of Closing Orders ... ..	—
--	---

No. of dwelling-houses in respect of which Closing Orders were made by the Local Authority ... 1 (a)

No. of dwelling-houses the defects in which were remedied without the making of Closing Orders ...

No. of dwelling-houses which, after the making of Closing Orders, were made fit for human habitation 2 (b)

(a) Represented in 1916.

(b) Urgent repairs only.

The following figures with regard to new houses are supplied by the Borough Engineer and Surveyor:—

#### NUMBER OF NEW HOUSES CERTIFIED DURING THE YEAR 1917.

WEEKLY RENTALS.	New Brighton.	Upper Brighton.	North Liscard.	South Liscard	North Egremont.	South Egremont.	North Seacombe.	South Seacombe.	Poulton.	Wallasey.	Total.
5s. to 7s. 6d. ...	—	—	—	—	—	—	—	—	—	—	—
7s. 6d. to 9s. ...	—	—	—	—	—	—	—	—	—	—	—
Over 9s. ...	2	—	—	2	—	—	—	—	—	8	12

#### NUMBER OF HOUSES IN COURSE OF ERECTION

1st JANUARY, 1917.

5s. to 7s. 6d. ...	—	—	—	—	—	—	—	—	—	—	—
7s. 6d. to 9s. ...	—	—	—	—	—	—	—	—	—	—	—
Over 9s. ...	...	1	—	2	—	—	—	—	—	44	*47

\* Note.—No new houses were commenced in 1917: the 47 just referred to were in course of erection when war broke out, and they are still unfinished.

### Sewers and Drains.

No sewers have been reconstructed during the year. Temporary repairs, however, have been carried out, and the sewers and manholes regularly cleaned and flushed.

Under the supervision of the Health Department, the drainage systems of the following houses have been

**ENTIRELY RECONSTRUCTED.**

12, Marine Terrace, New Brighton.  
10, Victoria Road, New Brighton.

**PARTIALLY RECONSTRUCTED.**

1 & 3, Haydock Road.

**Sub-Let Houses.**

There are 60 sub-let houses on the Register. These houses have been regularly supervised throughout the year.

404 visits have been paid by the Inspectors.

For contraventions of the Bye-laws 61 notices have been served, mostly for overcrowding and filthy conditions, all of which were complied with.



## Factory and Workshop Act, 1901.

### 1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR  
INSPECTORS OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
FACTORIES ... .. (Including Factory Laundries.)	417	15	...
WORKSHOPS ... .. (Including Workshop Laundries.)	759	34	...
WORKPLACES ... .. (Other than Outworkers' premises included in Part 3 of this Report)	43	...	...
Total ... ..	1219	49	...

### 2.—DEFECTS FOUND.

PARTICULARS.	No. of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts :—</i>				
Want of Cleanliness ... ..	36	36	...	...
Want of Ventilation ... ..	...	...	...	...
Overcrowding ... ..	...	...	...	...
Want of Drainage of Floors ... ..	...	...	...	...
Other Nuisances ... ..	15	15	...	...
<i>Sanitary Accommodation :—</i>				
Insufficient ... ..	...	...	...	...
Unsuitable or Defective ... ..	10	10	...	...
Not Separate for Sexes ... ..	...	...	...	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal Occupation of Under-ground Bakehouse (s. 101) ... ..	...	...	...	...
Breach of Special Sanitary Requirements for Bakehouses (ss. 97 to 100) ... ..	26	23	...	...
Other offences (excluding offences relating to outwork which are included in Part 3 of this Report)	—	—	3	...
Totals... ..	87	87	3	...

## Factories.

For the most part the law relating to Factories is administered by the Home Office.

418 visits were, however, made to factories, these being chiefly in reference to sanitary accommodation.

The number of Factories on the Register is as follows:—

TRADE.	Number on Register.	Number of Visits.
Bakers ... ..	6	114
Confectioners ... ..	2	10
Boot Makers and Repairers ... ..	12	35
Laundries ... ..	17	85
Wheelwrights and Smiths ... ..	3	28
Joiners ... ..	4	—
Coffin Makers ... ..	1	—
Motor Engineers ... ..	4	10
Stonemasons ... ..	2	1
Printers ... ..	1	2
Artificial Manure Makers... ..	1	15
Fountain Pen Makers ... ..	1	7
Boat Builders ... ..	1	—
Firelighter Manufacturers ... ..	2	5
Timber Merchants ... ..	2	10
Flour Millers ... ..	3	3
Spring Makers ... ..	1	9
Provender Dealers ... ..	3	5
Brick Makers ... ..	3	9
Brewers ... ..	1	—
Engineers ... ..	2	14
Concrete Makers ... ..	1	—
Oil Storages ... ..	1	7
Creosoting Works ... ..	—	—
Ore Merchants ... ..	1	—
Treacle Works ... ..	—	—
Leather Belting Manufacturers ... ..	1	4
Destructor Works ... ..	1	—
Tramway Depôt and Electricity Works	1	—
Gas and Water Works ... ..	1	—
Smokeless Fuel Works ... ..	—	—
Insulating Works ... ..	—	1
Cereal Mills ... ..	1	5
Builders' Merchants ... ..	1	2
Ice Maker ... ..	1	6
Lock Manufacturer ... ..	1	5
Biscuit „ ... ..	1	—
Fruit Merchant ... ..	1	12
Mineral Water Manufacturer ... ..	1	1
Varnish Makers ... ..	2	1
Chain Maker... ..	1	8
Corn Warehouses ... ..	1	4
TOTALS ...	91	418

All the Workshops and Workplaces on the Register were regularly inspected, with the result as shown in the Summary which follows.

### Workshops.

The Number of Workshops on the Register approximately is as follows:—

TRADE.	Number on Register.	Appr'ximate Number of Persons Employed.	Number of Visits.
Bakers ... ..	46	65	356
Confectioners ... ..	58	70	102
Laundries ... ..	15	32	45
Tailors ... ..	18	11	18
Dressmakers ... ..	79	221	81
Milliners ... ..	16	53	16
Bootmakers and Repairers ... ..	50	35	98
Cabinet Makers and Upholsterers...	11	4	14
Watchmakers and Repairers ... ..	7	4	5
Tinsmiths ... ..	1	—	—
Saddlers ... ..	5	3	4
Leadlight Manufacturers ... ..	1	6	7
Picture Framers ... ..	2	2	1
Printers... ..	5	6	9
Photographers ... ..	3	—	—
Coffin Makers ... ..	2	1	3
TOTALS ...	319	513	759

### Workplaces.

The Number of Workplaces on the Register approximately is as follows:—

TRADE.	Number on Register.	Appr'ximate Number of Persons Employed.	Number of Visits.
Cycle Builders and Repairers ... ..	12	18	1
Wheelwrights and Smiths ... ..	10	21	22
Joiners ... ..	18	31	12
Wringing Machine Repairers ... ..	1	1	—
Motor Engineers and Repairers ... ..	5	9	—
Stonemasons ... ..	2	2	—
Stevedores ... ..	4	120	—
Coopers... ..	1	1	—
Bottle Washers ... ..	1	2	8
TOTALS ...	54	205	43



### 3.—HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS, SECTION 107.										OUTWORK IN UNWHOLESOME PREMISES, SECTION 108.			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.		
	Lists Received from Employers.				Sending once in the year.		Prosecutions.				Instances.	Orders made (S. 110.)	Prosecutions (Sections 109, 110)			
	Sending twice in the year.		Outworkers.		Lists.	Con-tractors	Work-men.	(3)	(4)	(5)				Con-tractors	Work-men.	
	(2)	(3)	(4)	(5)												(6)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) Notices served on Occupiers as to keep- ing or sending lists.	(9) Failing to keep or permit inspec- tion of lists.	(10) Failing to send lists.	(11) Instances.	(12) Notices served.	(13) Prosecutions	(14) Instances.	(15) Orders made (S. 110.)	(16) Prosecutions (Sections 109, 110)
Wearing Apparel Making, &c. ...	6	—	35	8	—	16	—	—	—	1	1	—	—	—	—	—

#### 4.—REGISTERED WORKSHOPS (S. 131).

	Number		Number
Bakers ...	... 46	Watchmakers and Repairers...	7
Confectioners ...	... 58	Tinsmiths ...	1
Laundries ...	... 15	Saddlers ...	5
Tailors ...	... 18	Leadlight Manufacturers	1
Dressmakers ...	... 79	Picture Framers ...	2
Milliners...	... 16	Printers ...	5
Bootmakers & Repairers	50	Photographers ...	3
Cabinet Makers and Upholsterers	11	Coffin Makers ...	2
Total number of Workshops on Register	...		319.

## 5.—OTHER MATTERS.

Class.	Number
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133) ... ..	11
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5)—	
Notified by H.M. Inspector ... ..	11
Reports (of action taken) sent to H.M. Inspector ... ..	11
Other ... ..	11
Underground Bakehouses (s. 101):—	
Certificates granted during the year ... ..	11
In use at the end of the year ... ..	11

### **Bakehouses.**

At the end of the year there were 112 Bakehouses in occupation, of which 11 were underground, many of which are only used occasionally.

### **Inspection of Stable Yards.**

3,137 visits have been made, as compared with 3,063 during the previous year.

### **Wallasey Early Closing Order 1909.**

Under the new Orders shops have, as a rule, been closed earlier than the usual scheduled hours.

### **Dairies, Cowsheds and Milkshops Order.**

There are 21 Cowsheds on the Register, to which 464 visits were paid during the year.

The number of cows in the registered sheds at the end of December was 60.

### **Contagious Diseases (Animals) Acts and Orders.**

THE FOLLOWING IS A SUMMARY OF THE WORK DONE DURING  
1917 UNDER THESE ORDERS.

Number of Licences received from other Authorities	
with regard to the removal of swine	... .. 344
Number of swine referred to in such Licences	... .. 2,451
Number of visits in connection therewith	... .. 688
Number of Licences received from other Authorities	
with regard to the removal of sheep and lambs	... .. 96
Number of sheep and lambs referred to in such Licences	3,174
Number of visits in connection with such Licences	... .. 192

Number of Swine Movement Licences issued from this district ... ..	30
Number of swine referred to in such Licences ... ..	63
Number of cases of Parasitic Mange notified ... ..	5
Number of visits to same ... ..	105
Number of horses examined ... ..	45
Number of swine examined ... ..	2,514
Number of stables disinfected ... ..	20

Under the Tuberculosis Regulations of the Board of Agriculture a Veterinary Surgeon was appointed in 1913.

### Food and Meat Inspection.

Meat inspection is performed by one Inspector, who gives his whole time to this work and to the inspection of food stuffs in shops. The Sanitary Inspectors also examine hawkers' barrows and baskets whenever they meet them. On page 51 will be found a summary of the visits made to food premises.

There are 3 registered Slaughterhouses and 2 licensed Slaughterhouses, in addition to those at the Wallasey and Alfred Lairages.

#### NUMBER OF ANIMALS SLAUGHTERED AT THE WALLASEY AND ALFRED LAIRAGES DURING THE YEAR 1917.

Lairages	<i>Foreign</i>		<i>Coastwise</i>				
	Oxen	Sheep	Oxen	Calves	Sheep	Pigs	Goats
*Wallasey ...	—	—	865	—	168,822	538	755
*Alfred... ..	—	—	21	—	1	—	—
Totals ...	—	—	886	—	168,823	538	755

\* These figures are supplied by the Mersey Docks and Harbour Board.



TABLE SHOWING (A) AMOUNT OF TUBERCULOUS MEAT  
DESTROYED.

	Private Slaughter Houses.		Lairages	
	CARCASES	QUARTERS	CARCASES	QUARTERS
BEEF... ..	25	1	28	7
MUTTON ... ..	—	—	—	—
PORK ... ..	15 & 1 pig'sh'd	2	4	10
VEAL ... ..	—	—	—	—

(B) AMOUNT DESTROYED FOR OTHER CAUSES.

	Private Slaughter-houses		Lairages	
	CARCASES	QUARTERS	CARCASES	QUARTERS
BEEF... ..	21	20	39	6
MUTTON ... ..	30	...	90	1
PORK ... ..	20	1	8	8
LAMB ... ..	...	...	...	...
VEAL ... ..	29	...	22	...
GOATS ... ..	...	...	64	...
TOTAL ...	100	21	223	15

In addition to above, 130 carcasses of immature veal and 40 carcasses of lamb.

TABLE showing the number of ANIMALS LANDED at WALLASEY  
and ALFRED LAIRAGES, and passed through ALIVE to  
various parts of the Kingdom.

Oxen	Calves	Goats	Pigs	Sheep
82,611	9	2,770	47,949	251,396

## Sale of Food and Drugs Acts.

### SUMMARY OF SAMPLES SUBMITTED DURING THE YEAR TO THE PUBLIC ANALYST.

Name of Sample.	No. of Samples obtained.	No. of Samples adulterated.	Total No. of Samples Analysed.	Total No. of Samples Certified as Adulterated
Milk (Local) ... ..	36	4	81	6
„ (Transit) ... ..	45	2		
Butter ... ..	39	2	39	2
Lard ... ..	26	...	26	...
Coffee ... ..	19	3	19	3
Pepper ... ..	12	...	12	...
Self-raising Flour ... ..	11	...	11	...
Margarine ... ..	7	...	7	...
Cream of Tartar ... ..	4	...	4	...
Zinc Ointment ... ..	4	...	4	...
Baking Powder ... ..	3	...	3	...
Cheese ... ..	3	...	3	...
Oatmeal ... ..	3	...	3	...
Gregory Powder... ..	3	...	3	...
Camphorated Oil... ..	2	...	2	...
Lardine ... ..	1	...	1	...
Sugar ... ..	1	...	1	...
Cornflour ... ..	1	...	1	...
Totals ... ..	220	11	220	11

### PROSECUTIONS.

1. Butter—18 per cent. Margarine. Fined £2.
2. Milk—6·6 per cent. deficient in fat. Fined 5s. and 7s. 6d. costs.
3. Milk—6·6 per cent. deficient in fat. 11s. costs.
4. Milk—9 per cent. deficient in fat. Fined £1 and 7s. 6d. costs.
5. Milk—8 per cent. deficient in fat. Fined £1 and 7s. 6d. costs.
6. Milk—8 per cent. deficient in fat. Dismissed.
7. Coffee—25 per cent. Chicory. Fined 5s. and 7s. 6d. costs.



Prosecutions were not instituted in regard to two samples of coffee (30 per cent. and 8 per cent. chicory), one sample of butter (29 per cent. foreign fat), and one sample of milk (12 per cent. deficient in fat), these being test purchases

Of the milk obtained locally 11 per cent. proved to be adulterated, whilst the adulteration found among samples obtained in course of delivery to the district was 4 per cent.

The adulteration of all samples submitted for analysis was 5 per cent.

1.—MILK AND CREAM NOT SOLD AS PRESERVED CREAM.

	(a) Number of Samples examined for the presence of a preservative.	(b) Number in which a preservative was reported to be present.
Milk.....	81	—
Cream.....	—	—

2.—CREAM SOLD AS PRESERVED CREAM.

(a)—Instances in which samples have been submitted for analysis to ascertain if the statements on the label as to preservatives were correct:—

i. Correct statements made ... ..	16
ii. Statements incorrect ... ..	—
	—
Total ...	<u>16</u>

(b)—Determinations made of milk fat in cream sold as preserved cream:—

i. Above 35 per cent. ... ..	16
ii. Below 35 per cent. ... ..	—
	—
Total ...	<u>16</u>

(c)—Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (1), and the proviso in Article V. (2) of the Regulations have not been observed:—

Article V. (1) ... Nil.

Article V. (2) ... Nil.

(d)—Particulars of each case in which the regulations have not been complied with, and action taken:—

Nil.

### 3.—THICKENING SUBSTANCES.

Any evidence of their addition to cream or preserved cream,  
None.

### 4.—OTHER OBSERVATIONS.

The percentage of Boric acid stated on the declaratory label was in each instance 0.5 per cent.

The actual amounts found on analysis were as follows:—  
.15%, .10%, .09%, .17%, .25%, Nil, .17%, .10%, .19%,  
.17%, .05%, 3grs. per lb., 7grs. per lb., 7grs. per lb., 12grs.  
per lb., 7grs. per lb.

## Water Statistics for 1917.

(SUPPLIED BY THE GAS AND WATER ENGINEER).

Volume of Water supplied from January 1st, 1917, to 31st December, 1917, 1,055,085,337 gallons, made up as follows:—

From Wells at Liscard	...	...	...	...	520,980,000	Galls.
From Vyrnwy	...	...	...	...	534,184,000	„
Average supplied per day	...	...	...	...	2,890,644	„
Average consumption per day per head	...	...	...	...	33.22	„

Divided as follows:—

Supplied by meter	...	...	...	...	5.87	Galls.
Supplied to Shipping	...	...	...	...	.50	„
Watering Streets and Road-making	...	...	...	...	.06	„
Flushing Sewers by Hose and Cart	...	...	...	...	.12	„
Domestic and other purposes, including	...	...	...	...	26.67	„
Drinking Fountains	...	...	...	...		

The quantity of Water used for flushing sewers and drains during the year was 3,809,000 gallons.

## General Statistical Summary.

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### WORK OF THE LADY HEALTH VISITORS DURING 1917.

#### SANITARY.

No. of Houses visited re cleanliness and overcrowding ...	292
,, ,, found dirty ... ..	75
,, ,, found overcrowded ... ..	31
Notices re dirty conditions ... ..	73
,, ,, overcrowding ... ..	31
Notices complied with ... ..	89
Families visited ... ..	361
,, re-visited ... ..	194
Visits to sub-let houses ... ..	76
Sub-let houses found dirty ... ..	32
,, ,, overcrowded ... ..	29
Other infringements ... ..	18
Visits to Workshops and Workrooms ... ..	109
,, Outworkers ... ..	47

#### CHILD WELFARE, Etc.

No. of first visits re registered births	...	...	...	...	1,013	
,, re-visits	,,	,,	...	...	3,681	
,, visits re still births	...	...	...	...	33	
,, ,, ophthalmia cases	...	...	...	...	117	
,, ,, puerperal cases	...	...	...	...	4	
,, visits to Maternity Centre	...	...	...	...	126	
,, first visits to homes re expectant mothers	...	...	...	...	32	
,, re-visits	,,	,,	,,	...	127	
,, first visits to homes re infants	} <i>Included in figures above re Registered Births.</i>				673	
,, attending the Centre						
,, re-visits to homes re infants						
,, attending the Centre					1,514	
,, visits re infant deaths	...	...	}			52
,, visits re cases of Diarrhœa	...	...	...	...	...	16

„	„	Measles	... ..	1,073	} <i>Total visits re minor Infectious Diseases.</i>	1,992
„	„	Whooping Cough...	190			
„	„	Mumps	... ..	341		
„	„	Chicken Pox	... ..	237		
„	„	other minor Inf. Dis.	151			
„		references to Education Authority	... ..	1,418		

### INFECTIOUS DISEASES.

No. of visits to cases of Infection (other than those mentioned above)	... ..	269
--	--------	-----

### MIDWIVES ACT.

No. of routine visits to Midwives	... ..	126
„ special visits to Midwives, and other inquiries	...	52

### TUBERCULOSIS.

No. of first visits re Phthisis notifications	... ..	192
„ re-visits „ „	... ..	1,702
„ visits re Phthisis deaths	... ..	86
„ first visits re non-Pulmonary Tuberculosis notifications	... ..	25
„ re-visits re non-Pulmon. Tuberculosis notifications	...	39
„ visits „ „ „ deaths	...	19

### MENTAL DEFICIENCY ACT.

No. of visits re persons mentally defective	... ..	146
---	--------	-----

### GENERAL.

No. of Enquiry visits	... ..	493
„ references to Sanitary Inspectors	... ..	49
„ „ other Departments	... ..	142
„ „ Guardians	... ..	14
„ „ N.S.P.C.C.	... ..	54



## WORK OF THE DISTRICT INSPECTORS DURING 1917.

NUISANCES							
Number of houses visited	..	...	...	...	...	...	994
„	„	found in a dirty condition	...	...	...	...	86
„	„	„ in an overcrowded condition	...	...	...	...	16
„	„	„ with defective, insufficient or choked drains	...	...	...	...	514
„	„	„ without supply of water for drinking, domestic or sanitary purposes	...	...	...	...	307
„	„	„ with defective or insufficient W.C. basins, flushing cisterns, putty joints, traps, waste-pipes, soil-pipes and/or channellings	...	...	...	...	514
„	„	„ with defective yard or passage surfaces	...	...	...	...	143
„	„	„ with defective floors	...	...	...	...	12
„	„	„ vacant or insecure against misuse by general public	...	...	...	...	1
„	„	„ with damp or defective walls	...	...	...	...	72
„	„	„ with defective roofs, gutters and downspouts	...	...	...	...	252
„	„	„ without proper and sufficient ashpits or ashbins	...	...	...	...	277
„	„	„ with dirty yard surfaces	...	...	...	...	21
„	„	„ with offensive accumulations requiring removal	...	...	...	...	28
Number of offensive ditches and ponds requiring cleansing	...	...	...	...	...	...	—
„	„	matters referred to other departments	...	...	...	...	729
„	„	informations laid in respect of nuisances	...	...	...	...	—
„	„	convictions obtained	...	...	...	...	—
„	„	Magistrates' Orders obtained	...	...	...	...	—
„	„	Nuisances abated and cases withdrawn on payment of costs	...	...	...	...	—
Amount of fines and costs	...	...	...	...	...	...	—

## SMOKE NUISANCES.

## STEPS TO PREVENT SMOKE NUISANCES.

Number of observations made	...	...	...	...	...	...	7
„	„	Notices served in respect of black smoke	...	...	...	...	2
„	„	Informations laid in default of compliance with Notice	...	...	...	...	—
„	„	Informations laid in default of compliance with order	...	...	...	...	—
Amount of Fines and Costs	...	...	...	...	...	...	—

## BYE-LAWS WITH RESPECT TO NUISANCES.

Number of inspections of stable yards	...	...	...	...	...	...	1,602
„	„	re-inspections	...	...	...	...	56
„	„	Notices served to empty manure pits	...	...	...	...	39
„	„	Informations laid in default of compliance with notice	...	...	...	...	—
„	„	Stable yards without sufficient manure pits	...	...	...	...	1
„	„	notices served to provide manure pits	...	...	...	...	1
„	„	notices served to provide stables with sufficient paving and/or drainage	...	...	...	...	—

## ABATEMENT OF NUISANCES.

Number of preliminary notices issued for the abatement of nuisance ...	993.
„ Statutory Notices issued ... ..	513.

## CANAL BOAT INSPECTION.

The number of Boats inspected in 1917 was 148.

Number of Boats on which infringements were found ...	2
Number of infringements ... ..	4

## PARTICULARS AS TO INFRINGEMENTS.

Certificate not identifying owner of Boat ... ..	1
Lettering not plainly visible ... ..	1
Painting ... ..	1
Defective Deck Seams ... ..	1
Notices sent in respect of infringements ... ..	2
Legal proceedings were not taken in any case.	

The Council is not a Registration Authority.

## SUB-LET HOUSES.

Number of houses on Register ... ..	60
„ day inspections ... ..	404
„ night inspections ... ..	—
„ infringements of Sub-let Bye-laws ... ..	61
„ preliminary intimations given to comply ... ..	61
„ failures to comply with notices... ..	—
„ informations laid in respect of infringements ... ..	—
Amount of Fines and Costs... ..	—

## COMMON LODGING HOUSES

Number registered under Public Health Act — ... ..	3
„ of day inspections ... ..	85
„ night inspections ... ..	—
„ infringements of Bye-laws ... ..	2
„ failures to cleanse walls, ceilings etc. ... ..	2
„ cases where rooms were overcrowded ... ..	—
„ informations in respect of infringements ... ..	—
„ convictions ... ..	—

## CELLAR DWELLINGS.

Cellars found occupied as dwellings ... ..	—
Notices served to vacate same ... ..	—

## HOUSE-TO-HOUSE INSPECTION.

Number of houses visited	...	...	} <i>Systematic house to house inspection in abeyance.</i>
„ apartments visited	...	...	
„ „ found clean	...	...	
„ „ found dirty	...	...	

## COURT AND ALLEY INSPECTION.

Number of visits to courts and alleys	...	...	...	...	...	...	356
„ W.C.'s found clean	...	...	...	...	...	...	1,225
„ „ found dirty	...	...	...	...	...	...	—
„ „ re-inspected	...	...	...	...	...	...	—
„ „ cleansed	...	...	...	...	...	...	—

## DAIRIES, COWSHEDS AND MILKSHOPS.

Number of Milkshops on Register	...	...	...	...	...	133
„ shippons with Milkstores attached	...	...	...	...	...	11
„ inspections made	...	...	...	...	...	638
„ notices served for defects	...	...	...	...	...	4
„ notices served <i>re</i> utensils and covering of milk vessels	...	...	...	...	...	—
„ notices served requiring the removal of manure	...	...	...	...	...	—
„ notices served requiring liming or cleansing	...	...	...	...	...	4
„ notices complied with	...	...	...	...	...	4

## FACTORY AND WORKSHOP ACT.

Number of Factories, Workshops, &c., on Register	...	...	...	...	466
„ visits made	...	...	...	...	513
„ re-visits made	...	...	...	...	51
„ workshops, &c., found defective	...	...	...	...	15
„ workrooms with dirty walls and ceilings	...	...	...	...	27
„ „ with dirty floors	...	...	...	...	8
„ „ with dirty lavatories	...	...	...	...	1
„ „ not properly ventilated	...	...	...	...	—
„ „ found overcrowded	...	...	...	...	—
„ defective drains and water-closets	...	...	...	...	11
„ miscellaneous defects found	...	...	...	...	10
„ notices issued on occupiers	...	...	...	...	32
„ „ „ on owners	...	...	...	...	15
„ references to the Factory Inspector	...	...	...	...	3
„ „ from „ „	...	...	...	...	—

## BAKEHOUSES.

Number on Register ...	...	...	...	...	...	...	...	52
„ of visits made	...	...	...	...	...	...	...	470
„ re-visits ...	...	...	...	...	...	...	...	24
„ bakehouses found dirty (walls and ceilings)	...	...	...	...	...	...	...	17
„ notices issued for limewashing	...	...	...	...	...	...	...	17
„ bakehouses limewashed without notice	...	...	...	...	...	...	...	—
„ notices issued for defective drainage	...	...	...	...	...	...	...	3
„ „ „ „ walls and floors	...	...	...	...	...	...	...	—
„ „ „ to repair defective ceilings	...	...	...	...	...	...	...	1
„ „ „ to cleanse tables, utensils, &c.	...	...	...	...	...	...	...	—
„ „ „ to clean areas...	...	...	...	...	...	...	...	—
„ references to Factory Inspector	...	...	...	...	...	...	...	—

## CONFECTIONERY BAKEHOUSES.

Number on Register ...	...	...	...	...	...	...	...	60
„ of visits made	...	...	...	...	...	...	...	112
„ re-visits ...	...	...	...	...	...	...	...	12
„ found dirty (walls and ceilings)	...	...	...	...	...	...	...	11
„ notices issued for limewashing	...	...	...	...	...	...	...	11
„ bakehouses limed without notice	...	...	...	...	...	...	...	49
„ notices issued for defective drainage, &c.	...	...	...	...	...	...	...	1
„ „ „ to cleanse floors, utensils, &c.	...	...	...	...	...	...	...	2
„ references to Factory Inspector	...	...	...	...	...	...	...	—

## OUTWORKERS.

Number of Outworkers on Register	...	...	...	...	...	...	...	35
„ visits made to houses of outworkers	...	...	...	...	...	...	...	35
„ re-visits ...	...	...	...	...	...	...	...	12
„ notices served for sanitary defects at houses of workers	...	...	...	...	...	...	...	1
„ unwholesome premises...	...	...	...	...	...	...	...	1
„ dirty walls and ceilings	...	...	...	...	...	...	...	1
„ notices complied with...	...	...	...	...	...	...	...	2
„ outworkers employed in Wallasey for Liverpool and Birkenhead Firms—								
Tailors	...	...	...	...	...	...	...	—
Tailoresses	...	...	...	...	...	...	...	8
Dressmakers, etc.	...	...	...	...	...	...	...	21
Bootmakers	...	...	...	...	...	...	...	1
„ outworkers employed in Liverpool for Wallasey Firms—								
Tailors	...	...	...	...	...	...	...	2
Tailoresses	...	...	...	...	...	...	...	6
Dressmakers	...	...	...	...	...	...	...	1



## WALLASEY EARLY CLOSING ORDER.

Number of visits of inspection (by day) ...	...	} Under the new Shops Order, shops have been closed earlier than the usual scheduled hours.
„ „ „ (by night) ...	...	
„ instances in which provisions of the Act were found not to be complied with...	...	
„ persons warned for contravening Act ...	...	
„ informations laid ...	...	
Amount of fines and costs ...	...	

## SEATS FOR SHOP ASSISTANTS.

Number of shops affected ...	...	} This work has been in abeyance.
„ assistants employed ...	...	
„ seats provided ...	...	
„ visits ...	...	
„ contraventions ...	...	
„ notices (complied with) ...	...	

## EMPLOYMENT OF CHILDREN ACT, 1903.

Number of inspections ...	...	} This work also has been in abeyance.
„ contraventions ...	...	
„ persons warned ...	...	
„ informations laid ...	...	
„ convictions ...	...	
Amount of fines and costs ...	...	

## SHOP HOURS ACTS, 1892-1912.

Number of shops in which young persons are employed ...	...	} This work in abeyance.
„ visits of inspection to shops ...	...	
„ persons warned ...	...	
„ re-visits ...	...	

## MEAT INSPECTION.

Number of visits paid to the Wallasey and Alfred Lairages during the year ...	...	1,416
Amount of Meat taken from the Lairages and destroyed as unfit for human food ...	...	76,262lbs.

## SHOP AND SLAUGHTER-HOUSE INSPECTION.

Number of visits to shops and Private Slaughter-houses ... .. 3,317

Amount of Meat, etc., seized and destroyed as unfit for human food, 30,991 lbs.  
consisting of :

Beef	...	..	...	14,781 lbs.
Mutton	...	...	...	2,217 „
Veal	...	...	...	2,366 „
Offal	...	...	...	6,838 „
Pork	...	...	...	3,767 „
Fish	...	...	...	500 „
Sausages...	...	...	...	160 „
Fruit	...	...	...	350 „
Cowheels	—	...	...	12 „

Total ... 30,991 „

Number of visits to pork shops and premises where meats are prepared for sale	...	...	...	...	3,364
„ „ butchers' shops	...	...	...	...	5,490
„ „ fish and poultry shops	...	...	...	..	2,603
„ „ fried fish shops	...	...	...	...	871
„ inspections of hawkers' carts and baskets	...	...	...	...	722

## INSPECTION OF CATTLE PENS.

Number of visits paid during the year ... .. 6,540

## INSPECTION OF PIGGERIES.

Number of Piggeries in the Borough	...	...	...	...	...	27
„ inspections paid	...	...	...	...	...	1,267

## INSPECTION OF ICE CREAM CARTS, &amp;c.

Number of visits to premises where Ice Cream is manufactured or sold —

## UNFENCED EXCAVATIONS.

Number of quarries found in an unfenced condition	...	...	...	—
„ Notices served to provide proper fences	...	...	...	—

## SPECIAL COMPLAINTS.

Number of special complaints received and dealt with ... .. 850

## HOUSES WITH INSUFFICIENT ASHPITS

Number of houses found without sufficient ashpits or ashbins	...	277			
„ offensive ashpits abolished	...	...	...	...	—

## PRIVY CONVERSION.

Number of offensive privies converted into proper and sufficient water  
closets ... .. —

## DRAIN TESTING.

Number of houses at which drains or branches have been specially  
tested by means of smoke or water ... .. 3

## EXAMINATION OF UNDERGROUND DRAINS.

Number of applications made to Council under Section 41 of the Public Health Act, 1875, to lay bare pipes and traps	...	...	—
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## MARINE STORE INSPECTION.

Number of premises entered on Register	...	...	...	...	5
„ inspections	...	...	...	...	67
„ offensive conditions discovered at time of visit, and for which notices were served	...	...	...	...	—

## PETROLEUM INSPECTION.

Number of persons licensed to store Petrol, etc.	...	...	...	26
„ inspections	...	...	...	34
„ contraventions discovered (non-renewal of licenses)	...	...	...	2

## INSPECTION OF TENTS, VANS AND SHEDS.

Number of visits paid to encampments and caravans	...	...	...	21
„ „ military encampments, etc.	...	...	...	142

## DISINFECTION.

Number of Houses disinfected after fevers	...	...	...	...	225
„ Rooms	„	„	...	...	614
„ Houses	„	phthisis	...	...	155
„ „	„	other diseases	...	...	10
„ „	„	vermin, etc.	...	...	3
„ Rooms	„	in Hospitals	...	...	2
„ Books from Public, Private, or School Libraries disinfected	...	...	...	...	110
„ Schools disinfected	...	...	...	...	—
„ Public Buildings disinfected	...	...	...	...	16

## LIST OF ARTICLES DISINFECTED.

Number of Mattrasses	...	...	...	...	...	...	62
„ Beds	...	...	...	...	...	...	429
„ Pillows and bolsters	...	...	...	...	...	...	949
„ Blankets	...	...	...	...	...	...	1,139
„ Quilts and Eiderdowns	...	...	...	...	...	...	421
„ Sheets	...	...	...	...	...	...	474
„ Articles of wearing apparel	...	...	...	...	...	...	778
„ Miscellaneous articles	...	...	...	...	...	...	306
„ Articles of Military Clothing	...	...	...	...	...	...	6,940
Total							11,498

## LIST OF ARTICLES DESTROYED.

Number of Mattrasses...	...	...	...	...	...	...	...	11
„ Beds...	...	...	...	...	...	...	...	22
„ Pillows and bolsters	...	...	...	...	...	...	...	24
„ Blankets	...	...	...	...	...	...	...	9
„ Quilts	...	...	...	...	...	...	...	5
„ Sheets	...	...	...	...	...	...	...	8
„ Articles of wearing apparel	...	...	...	...	...	...	...	19
„ Miscellaneous articles	...	...	...	...	...	...	...	15
								<hr/> 113

## FLUSHING.

The work of flushing the drains from house to house has been continuously carried out by four gangs of men throughout the year.

## HOUSE TO HOUSE WORK.

Number of visits to streets	...	...	...	...	...	...	...	2,628
„ „ houses	...	...	...	...	...	...	...	31,753
„ yard W.C.'s flushed	...	...	...	...	...	...	...	30,336
„ yard gullies flushed	...	...	...	...	...	...	...	101,429
„ drains found choked	...	...	...	...	...	...	...	9,308
„ drains cleared	...	...	...	...	...	...	...	8,963

## SPECIAL FLUSHING IN INFECTIOUS CASES.

Number of visits to streets	...	...	...	...	...	...	...	217
„ „ houses	...	...	...	...	...	...	...	217
„ yard W.C.'s flushed	...	...	...	...	...	...	...	217
„ yard gullies flushed	...	...	...	...	...	...	...	751
„ drains found choked	...	...	...	...	...	...	...	104
„ drains cleared	...	...	...	...	...	...	...	94

## FLUSHING OF SCHOOLS, HOSPITALS, ETC.

Number of visits to streets	...	...	...	...	...	...	...	64
„ schools, public buildings, etc.	...	...	...	...	...	...	...	96
„ yard W.C.'s flushed	...	...	...	...	...	...	...	620
„ yard gullies flushed	...	...	...	...	...	...	...	2,586
„ drains found choked	...	...	...	...	...	...	...	387
„ drains cleared	...	...	...	...	...	...	...	380

NUMBER OF PASSAGES SPECIALLY FLUSHED	...	...	...	...	...	...	...	59
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TABLE I.

## Vital Statistics of Whole District during 1917 and five previous Years.

YEAR	Population estimated to Middle of each Year	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Un- corrected Number.	Nett		Number	Rate	of Non- residents register'd in the District	of Resi- dents not regis- tered in the District	Under 1 Year of age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Nett Births	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1912	81,000	1,770	1,791	22.1	848	10.4	33	129	137	76	944	11.6
1913	83,000	1,842	1,863	22.4	915	11 0	56	131	150	80	990	11.8
1914	.....	1,825	1,842	21.7	1,008	11 8	45	126	167	90	1,089	12.8
1915	Civil 85,000 Gross 90,000	1,754	1,774	20.8 19.7	1,010	11.8 11.2	50	149	143	80	1,109	13.0 12.3
1916	Civil 83,442 Gross 90,786	1,731	1,762	19.4	934	11.1	56	143	128	82	1,021	12.2
1917	(a) 84,209 (b) 93,869	1,405	1,448	15.4	923	10 9	48	167	98	67	1,042	12.3

(a) Registrar-General's Estimate for calculating Death rate.  
 (b) Do. Do. Birth rate.

TABLE II.  
Cases of Infectious Disease in Wallasey notified during the Year 1917.  
(Including Tuberculosis, Measles, &c.)

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.								TOTAL CASES NOTIFIED IN EACH WARD.											Total Cases removed to Hospital.			
	At Ages—Years.																						
	At all ages	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 & upwds	1	2	3	4	5	6	7	8	9	10					
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Mem- branous Croup) ... ..	46	...	6	29	3	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	20	1	2	...	7	7	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	189	1	29	133	17	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ... ..	2	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Relapsing Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ... ..	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis ..	1	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Poliomyelitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum...	12	12	...	...	...	...	...	...	...	...	...	...	2	3	...	...	3	...	...	...	...	...	...
Pulmonary Tuberculosis ...	192	...	4	25	28	109	22	...	...	...	...	10	25	24	25	35	22	...	...	...	...	...	102
Other forms of Tuberculosis	25	3	3	15	3	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
German Measles ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	915	21	394	378	75	43	4	...	...	...	...	43	63	66	60	132	175	...	...	...	...	...	17
German Measles ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ... ..	1403	38	438	581	134	177	31	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	268

Isolation Hospitals: Mill Lane Hospital\* (Poulton); Leasowe Road Small-pox Hospital † (Wallasey); Mill Lane Sanatorium (Poulton).  
\* Total available beds, 90. † Total available beds, 20. A new Phthisis Pavilion with 22 beds, completed early in 1916.  
‡ There were only two Wallasey cases of Typhoid notified in 1917, but five other cases were admitted to the Hospital from out- of the Borough.

Infant Mortality during the year 1917.

NETT DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.											
CAUSE OF DEATH.		Under 1 Wk	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	4 Weeks and 3 Months	3-6 Months	6-9 Months	9-12 Months	Total Deaths under One Year.
ALL CAUSES	{ Certified... { Uncertified	22	8	13	2	45	18	11	13	11	98
{ Small-pox	...	...	...	...	...	...	...	...	...	...	...
{ Chicken-pox	...	...	...	...	...	...	...	...	...	...	...
{ Measles	...	...	...	...	...	...	1	...	1	...	3
{ Scarlet Fever	...	...	...	...	...	...	1	1	...	...	3
{ Whooping Cough	...	...	...	...	...	...	...	...	...	...	...
{ Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...
{ Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	1	1
{ Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...
{ Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...
{ Meningitis (not Tuberculous)	...	...	...	...	...	...	1	...	2	...	3
{ Convulsions	...	...	...	...	...	...	...	1	1	...	2
{ Laryngitis	...	...	...	...	...	...	...	1	...	...	1
{ Bronchitis	...	1	...	1	1	3	2	1	...	1	7
{ Pneumonia (all forms)	...	1	1	1	...	3	2	2	6	5	18
{ Diarrhoea	...	...	...	...	...	...	...	1	...	...	1
{ Enteritis	...	...	...	1	...	1	1	...	...	...	2
{ Gastritis	...	...	...	...	...	...	...	...	...	...	...
{ Syphilis	...	1	...	1	...	2	1	...	...	...	3
{ Rickets	...	...	...	...	...	...	...	...	...	...	...
{ Suffocation, overlying	...	...	...	...	...	...	2	...	...	...	2
{ Injury at Birth	...	2	...	...	...	2	...	...	...	...	2
{ Atelectasis	...	2	...	...	...	2	1	...	...	...	3
{ Congenital Malformations	...	...	...	...	...	...	1	...	...	...	2
{ Premature Birth	...	11	7	6	1	25	...	1	...	...	26
{ Atrophy, Debility, Marasmus	...	2	...	1	...	3	5	3	2	1	14
{ Other causes...	...	2	...	1	...	3	...	...	1	1	5
TOTALS	...	22	8	13	2	45	18	11	13	11	98

Births in the year—Legitimate, 1,376, Illegitimate, 72—1,448. Deaths in the year of legitimate infants, 86, illegitimate infants, 12. (10 under 1 Year.)





Causes of, and Ages at, Death in Wallasey during Year 1917.

CAUSES OF DEATH.	SEXES.		Nett Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.									Total Deaths whether of "Residents" or "Non-Residents" in Public Institutions in the District.	DEATHS IN THE WARDS.										DEATHS IN PUBLIC INSTITUTIONS.				TRANSFERABLE DEATHS Of Non-residents (including 2 soldiers) 48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Total All Ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and up wards.		1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	M.	F.	2	3	4	5	6	7	8	9	10		11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										